

1 1. A process for recharging batteries which comprises:

B³
3 (a) coupling a dynamo to the intermediate hub of a stationary bicycle, which bicycle also
4 has a front axle to which is mounted a front wheel, a front derailleur, and an interconnected crank
5 and set of pedals attached in conventional fashion, said front derailleur being operatively
6 connected to said intermediate hub;

7 said dynamo having a fixed wheel containing a series of spaced periphery mounted
8 magnets, and a rotatable wheel also having a similar series of periphery mounted magnets in
9 close proximity, said coupling being to the rotatable wheel,

10 whereby pedaling of the stationary bicycle causes the intermediate hub to rotate, and
11 simultaneously said dynamo's rotatable wheel to rotate and to produce a current,

12 (b) conducting said current to a battery charger having one or more batteries therein,

13 (c) charging the one or more batteries in said charger.

14 Please enter amended claim 4 as follows:

B³
15 4. A bicycle pedal powered battery charging system for use during times when electrical power
16 is not being delivered which system comprises:

17 (a) a stationary bicycle comprising a seat for a rider, a front derailleur interconnected to
18 a crank and pedal set, said stationary bicycle also having a rear derailleur mounted on an
19 intermediate hub and having a front wheel,

20 (b) a dynamo comprising a housing having a fixed wheel, said fixed wheel having a series
21 of peripherally mounted spaced magnets; and said dynamo also having a rotatable wheel having
22 a similar set of periphery mounted spaced magnets, the two wheels being in close proximity and
23 the respective magnets facing each other, said rotatable wheel being mounted on a rear hub,

24 (c) means for operatively interconnecting said rear hub to said intermediate hub,

25 (d) a battery charge electrically connected to said dynamo.

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26 Please enter amended claim 10 as follows,

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B⁴
27 10. A bicycle pedal powered battery charging system for use during times when electrical power
28 is not being delivered which system comprises:

29 (a) a stationary bicycle comprising a seat for a rider, a front derailleur interconnected to
30 a crank and pedal set, said stationary bicycle also having a rear derailleur mounted on an
31 intermediate hub and having a front wheel,

32 (b) a dynamo comprising a housing having a fixed wheel, said fixed wheel having a series
33 of peripherally mounted spaced magnets; and said dynamo also having a rotatable wheel having
a similar set of periphery mounted spaced magnets, the two wheels being in close proximity and

the respective magnets facing each other, said rotatable wheel being mounted on a rear hub,

(c) means for operatively interconnecting said rear hub to said intermediate hub,

(d) a battery charger electrically connected to said dynamo, wherein the means for operatively interconnecting said rear hub to said intermediate hub is selected from the group consisting of a chain and a belt, and

(e) a coaster clutch incorporated into the intermediate hub.

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